


# FLT-CP-N/PE-350-ST

Order No.: 2859686

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2859686>

Type 1 / Class I / B arrester (lightning arrester) replacement plug for path N-PE, can be combined with FLASHTRAB compact series of products.

| Commercial data          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 017918 956523 |
| sales group              | J000   |
| Pack                     | 10 pcs.  |
| Customs tariff           | 85363030   |
| Catalog page information | Page 14 (TT-2009)  |

**Product notes**WEEE/RoHS-compliant since:  
05/03/2006

<http://www.download.phoenixcontact.com>  
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| Technical data                     |      |
|------------------------------------|------|
| <b>Standards</b>                   |      |
| Housing material                   | PBT  |
| Inflammability class acc. to UL 94 | V0   |
| Color                              | gray |

|  |   |
|--|---|
| Standards for air and creepage distances | EN 60664-1                              |
|  | IEC 60664-1: 1992-10                    |
|  | IEC 61643-11                            |
| Surge voltage category                   | III                                     |
| Pollution degree                         | 2                                       |
| Degree of protection                     | IP20                                    |
| Mounting type                            | On base element                         |
| Design                                   | DIN rail module, two-section, divisible |
| Number of positions                      | 1                                       |
| Ambient temperature (operation)          | -40 °C ... 80 °C                        |
| Message: Surge protection fault          | Optical                                 |
| Direction of action                      | N-PE                                    |
| Width                                    | 35.80 mm                                |
| Pitch unit                               | 2 Div.                                  |

#### Protective circuit

|  |                           |
|--|---------------------------|
| IEC category   | I                         |
|  | T1                        |
| EN type  | T1                        |
| Lightning protection class                                     | I /100 kA (TT, TN-C-S)    |
| Nominal voltage $U_N$  | 240 V AC (N-PE)           |
| Arrester rated voltage $U_C$                                   | 350 V AC                  |
| Arrester rated voltage $U_C$ (N-PE)                            | 350 V AC                  |
| $U_T$ (TOV-proof)  | 1200 V AC (200 ms / N-PE) |
| Nominal frequency $f_N$  | 50 Hz (60 Hz)             |
| Ground conductor current $I_{PE}$                              | $\leq 5 \mu A$            |
| Standby power consumption $P_C$                                | $\leq 2 \text{ mVA}$      |
| Power consumption without load $P_c$                           | $\leq 0.35 \text{ mW}$    |
| Nominal discharge surge current $I_n$ (8/20) $\mu s$           | 100 kA                    |
| Nominal discharge surge current $I_n$ (8/20) $\mu s$ (N-PE)    | 100 kA                    |
| Lightning test current (10/350) $\mu s$ , charge               | 50 As                     |
| Lightning test current (10/350) $\mu s$ , specific energy      | 2.50 MJ/ $\Omega$ (N-PE)  |
| Lightning test current (10/350) $\mu s$ , peak value $I_{imp}$ | 100 kA                    |
| Impulse operate voltage at 6 kV (1.2/50) $\mu s$               | $\leq 1.5 \text{ kV}$     |
| Impulse operate voltage at 6 kV (1.2/50) $\mu s$ (N-PE)        | $\leq 1.5 \text{ kV}$     |

|  |  |
|--|--|
| Protection level $U_p$                         | $\leq 1.5$ kV                            |
| Protection level UP (N-PE)                     | $\leq 1.5$ kV                            |
| Residual voltage                               | $\leq 1.5$ kV (at $I_n$ )                |
|  | $\leq 1$ kV (at 10 kA)                   |
|  | $\leq 0.9$ kV (at 5 kA)                  |
|  | $\leq 0.8$ kV (at 3 kA)                  |
| Residual voltage (N-PE)                        | $\leq 1.5$ kV (at $I_n$ )                |
|  | $\leq 1$ kV (at 10 kA)                   |
|  | $\leq 0.9$ kV (at 5 kA)                  |
|  | $\leq 0.8$ kV (at 3 kA)                  |
| SVR clamp voltage                              | $\leq 1.5$ kV                            |
| Clamping voltage SVR (N-PE)                    | $\leq 1.5$ kV                            |
| Clamping voltage ringwave                      | $\leq 1.3$ kV (category C3 20 kV/10 kA)  |
|  | $\leq 1.2$ kV (category C2 10 kV/5 kA)   |
|  | $\leq 1.1$ kV (category B3/C1 6 kV/3 kA) |
| Response time                                  | $\leq 100$ ns                            |
| Response time (N-PE)                           | $\leq 100$ ns                            |
| Follow current quenching capacity $I_f$ (N-PE) | 100 A                                    |

#### Connection, protective circuit

|                     |                                    |
|---------------------|------------------------------------|
| Connection type IN  | FLASHTRAB/VALVETRAB plug-in system |
| Connection type OUT | FLASHTRAB/VALVETRAB plug-in system |

#### Standards

|                       |                      |
|-----------------------|----------------------|
| Standards/regulations | IEC 61643-1 2005     |
|                       | EN 61643-11 2002     |
|                       | EN 61643-11/A11 2007 |
|                       | UL 1449 ed. 2        |
|                       | IEEE C62.41          |
|                       | BS 6651              |

#### Certificates / Approvals



Certification

CB, CCA, CUL, GOST, KEMA, UL

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**Accessories**

| Item           | Designation          | Description   |
|----------------|----------------------|---|
| <b>Marking</b> |                      |   |
| 1051993        | B-STIFT              | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm   |
| 0803595        | ZBFM 5/WH:UNBEDRUCKT | Zack marker sheet, flat, unprinted: 120-section, 10 strips à 12 markers, sufficient for 120 terminal blocks, for all terminal blocks, pitch 5.2 mm, labeling with M-PEN or CMS system, color: white |
| 2749589        | ZBN 18,LGS:ERDE      | Marking labels, printed horizontally, strips with 5 labels, GND (grounding symbol), color: White  |
| 2749576        | ZBN 18,LGS:L1-N,ERDE | Marker labels, printed horizontally, strips with 5 labels, L1, L2, L3, N, GND, color: white   |
| 0800763        | ZBN 18:SO/CMS        | Marker labels, 5-section, special printing, labeled according to customer requirements (Please specify the required marking with order), for terminal width: 17.5 mm, color: White                  |
| 2809128        | ZBN 18:UNBEDRUCKT    | Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White   |

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